# Appl. No. 09/992,120 Date Submitted 01/17/2006 Response A to Office action 07/14/2005 Replacement Sheet



6 X - 5

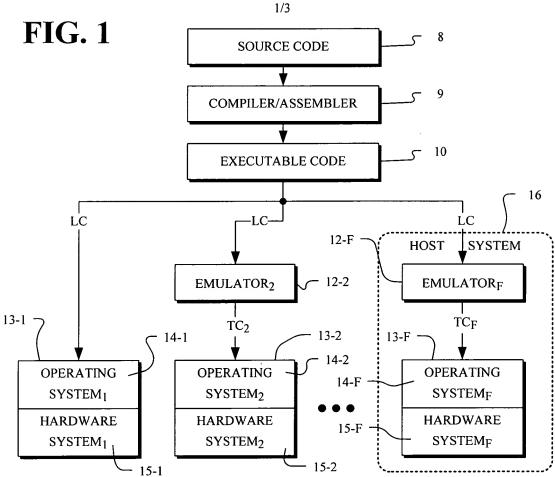
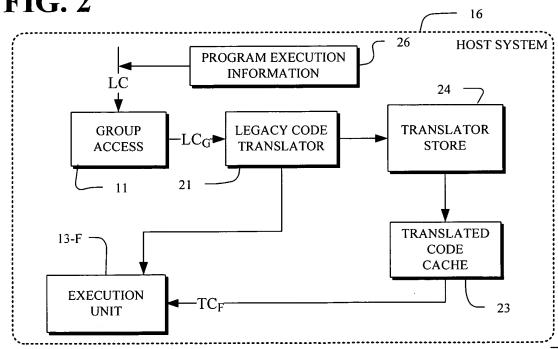


FIG. 2



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#### LEGACY CODE (CISC)

| 100 | START | BALR | B1,R0        |
|-----|-------|------|--------------|
| 102 | BASE  | LM   | R1,R2,DATA1  |
| 106 |       | MVC  | DATA1, DATA3 |
| 10C |       | AH   | R1,DATA2     |
| 110 |       | SRA  | R1,1         |
| 114 |       | SH   | R2,DATA2     |
| 118 |       | AR   | R1,R2        |
| 11A |       | BC   | TARGET       |
| 120 | DATA1 | DC   | X'005390BC'  |
|     |       | DC   | X'09C20004'  |
| 128 | DATA2 | DC   | X'0009'      |
| 12A | DATA3 | DC   | X'800039AF'  |

### FIG. 3

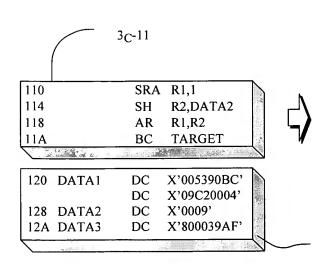
3R-10

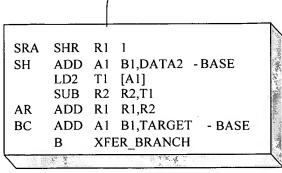


TRANSLATED CODE (RISC)

| 100<br>102 | START<br>BASE | BALR<br>LM | B1, R0<br>R1, R2,DATA1 |
|------------|---------------|------------|------------------------|
| 106        | 21102         | MVC        | DATA1, DATA3           |
| 10C        |               | AH         | R1, DATA2              |

| BALR | MOV | Bl              | BASE            |
|------|-----|-----------------|-----------------|
| LM   | ADD | A1              | B1,DATA1 - BASE |
|      | LD4 | R1              | [A1]            |
|      | ADD | Αl              | A1,4            |
|      | LD4 | R2              | [A1]            |
| MVC  | ADD | <b>A</b> 1      | B1,DATA1-BASE   |
|      | ADD | A2              | B1,DATA3-BASE   |
|      | LD4 | T1              | [A2]            |
|      | ST4 | T1              | [A1]            |
| AH   | ADD | A1              | B1,DATA2 - BASE |
|      | LD2 | T1              | [A1]            |
|      | ADD | R1              | R1,T1           |
|      | В   | XFER_SEQUENTIAL |                 |
|      |     |                 |                 |



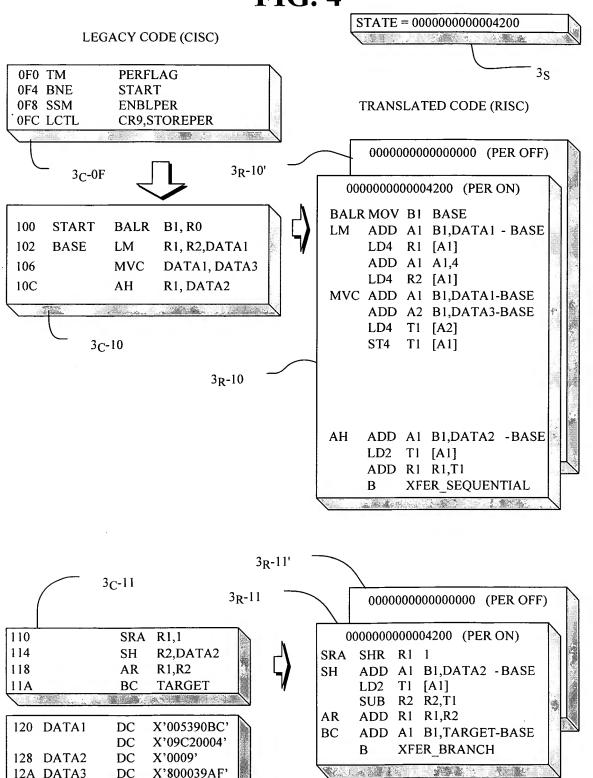


3<sub>R</sub>-11

3<sub>C</sub>-12

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### FIG. 4



3C-12